

Title (en)  
LEAKAGE CURRENT SENSOR, AND APPARATUS FOR MONITORING LEAKAGE CURRENT

Title (de)  
LECKSTROMSENSOR UND VORRICHTUNG ZUR LECKSTROMÜBERWACHUNG

Title (fr)  
CAPTEUR DE COURANT DE FUITE ET APPAREIL DE SURVEILLANCE DE COURANT DE FUITE

Publication  
**EP 3418754 A4 20190424 (EN)**

Application  
**EP 17900278 A 20170317**

Priority  
CN 2017077033 W 20170317

Abstract (en)  
[origin: EP3418754A1] A leakage current sensor and a leakage current monitoring device; the leakage current center comprising an input end, an output end and an ASIC chip; the ASIC chip is electrically connected with the input end for reading analog quantity signals of the input end; the ASIC chip is further electrically connected to a digital signal processing module; the digital signal processing module can output digital quantity signals to the output end; the digital signal processing module can simultaneously feedback the output digital quantity signals to the ASIC chip, thereby forming a closed-loop feedback circuit; the input end of the leakage current sensor comprises a current sampling unit; a reference unit is arranged between the current sampling unit and the ASIC chip.

IPC 8 full level  
**G01R 19/257** (2006.01); **G01R 19/25** (2006.01); **G01R 35/00** (2006.01)

CPC (source: EP US)  
**G01R 1/44** (2013.01 - US); **G01R 19/257** (2013.01 - EP); **G01R 31/52** (2020.01 - EP US); **G01R 1/04** (2013.01 - EP); **G01R 35/00** (2013.01 - EP)

Citation (search report)

- [I] US 2016124030 A1 20160505 - ZHANG CHUANG [US], et al
- [I] CN 106093543 A 20161109 - WUHAN NARI LTD LIABILITY CO OF STATE GRID ELECTRIC POWER RES INST, et al
- [A] CN 204422634 U 20150624 - BEIJING PASSION TECHNOLOGY CO LTD
- [I] US 6917203 B1 20050712 - PEROTTI JOSE M [US], et al
- See also references of WO 2018165970A1

Cited by  
CN109917318A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3418754 A1 20181226; EP 3418754 A4 20190424; EP 3418754 B1 20200923**; US 11163016 B2 20211102; US 2021080512 A1 20210318; WO 2018165970 A1 20180920

DOCDB simple family (application)  
**EP 17900278 A 20170317**; CN 2017077033 W 20170317; US 201716076118 A 20170317